

# THE TECH

VOL. XXX. NO. 120

BOSTON, MASS., THURSDAY, MARCH 30, 1911

PRICE TWO CENTS

## SWIMMING TEAM TIES WITH BROOKLINE GYM

**Lesher the Individual Star in Well-Contested Meet Against the B. G. A. A.**

**FINAL SCORE, 16—16**

Regular Practice on Mondays and Saturdays.—Special Coaching on Thursdays

Tuesday evening the Technology swimming team held its first meet at Brookline with the Brookline Gymnasium team. The meet was close throughout, and ended with a tie of points, 16—16. Every race finished in a close and exciting bunch. Captain Lesher, 1913 was the star of the meet, winning eight points, with a first in the hundred yard dash, and a second in the fifty. M. S. Smith, 1914 swam a pretty race in the 220 yard, finishing second. The relay team, consisting of Babcock 1912; Mann, 1914; Schellens, 1911 and C. A. Smith, 1912, had the race well in hand when the third B. G. A. A. man against Schellens drew because of cramps, giving up the race. The surprise of the evening was the showing made by Mann in the relay when he made up a loss of 4 yards, giving Schellens, the third man, an even start.

### The Summary:

Fifty yard: 1 Mason, B. G. A. A.; 2 Lesser M. I. T.; 3 Putnam, B. G. A. A.; Time 29.2 seconds.

Hundred yard: 1 Lesser M. I. T.; 2 Duffy B. G. A. A.; 3 Arthur B. G. A. A.; Time, 1 minute, 11 seconds.

220 yard: 1 Keith B. G. A. A.; 2 M. S. Smith, M. I. T.; 3 W. McCarty, B. G. A. A. Time 3.00 minutes.

### Relay race: Not finished.

Timekeeper: Alexander Mann, B. G. A. A.; Judges: Ellery Clark, Mann, H. C. Frisbie.

Practice will be continued Mondays at 4.30, Saturdays at 4.00, at the Salvation Army tank. Thursday evenings after next week, Mr. Alexander Mann, coach of the Brookline G. A. A., will instruct the team, so every man should make it a point to be on hand at 7.30 on these evenings.

## SOPHOMORES COMMENCE BASEBALL PRACTICE

About a score of men reported to Captain Eastman yesterday at Tech Field for the first practice of the Sophomore baseball team. The work was very light, consisting of an hour's batting practice followed by an hour of fielding. The men did well at the bat for the first day out and lined them out in creditable fashion. The fielding was necessarily slow because of the soggy field.

The prospects for a fast team this year are very good as many of last year's nine are still present for practice. Among them are Capt. Eastman, Mahoney, Hamilton, Hartford, Peck, Samson, and McKinnon. Many positions on the nine are still open however, and all candidates are urged to report and try for some position. Manager Pendleton has arranged a good schedule of games with nearby schools, all of which are to be played away from home with the exception of the game with the Freshmen.

Practices will be held on Tuesday, Wednesday, and Friday of each week. All candidates should report soon since the first game is scheduled with Malden, at Malden, Saturday, April 7.

## NORWEGIAN EXPOSITION

Norway is to hold an exposition in 1914 to commemorate the centennial of its independence. The exposition will be at Christiania and one section will be devoted entirely to machinery and electricity.

## REAL GREASED PIG FOR STUDENTS FIELD DAY

**"One Grand Good Time" Planned for Big Student Celebration April 10**

## SUGGESTIONS WANTED

Sports Committee hopes to get Large Percentage of Students to Participate

The arrangements for the Students Field Day on April 10 are progressing rapidly and it is only a matter of a few days before at least part of the program will be announced. With the "big" day only ten days away, already it is one of the topics of conversation whenever a number of students get together. The idea of a Field Day in which everyone is urged to take part, is one entirely new to us all, and from the fact that a large number will enter, it is sure to be a grand success. It would be very gratifying to the Committee if five hundred men were to take an active part. Remember, the whole object is to furnish amusement for the students and everyone can be sure of "One Grand Good Time" on April 10.

Up to date quite a large number of suggestions have been handed to the Committee but a larger number is desired.

One suggestion which is a possibility is that of an association football game in which a large number of men on each team would take part. Just imagine getting out and letting the "kinks" out of your legs and at the same time having a good time and perhaps being on the winning team. The two All Star ball teams will soon return from their Southern training trip and their line-ups for the great battle, announced. Come out and see "Hughie" Jennings' understudy chew up the grass on the base lines and hear the world famous "E-e Yah". This will be a ball game worth going miles to see.

It is rumored that it may be necessary to have as many as eight umpires on hand as some of the players are notorious umpire baiters. The "Stunts" are sure to play a large part in the afternoon's entertainment. The list of them is being withheld and will not be made public until the day preceding Our Day. Obstacle races and, this should be kept dark, so don't tell it around, the committee has its eye on a "young porker" and maybe the ancient and redoubtable greased pig will furnish few minutes amusement for some of Tech's surest tacklers. Is there any surer way of getting in solid with the Faculty than by showing your "stick-to-it-ive-ness" and holding the pig?

Come now everybody, up on your toes and remember that if you don't show up at Tech Field on Monday afternoon, April 10, you will be classed with the dead ones, and will miss a golden opportunity. And don't forget that at the next 50th Anniversary we all may not feel quite like chasing a pig or playing ball. So all rub the moss out of your eyes and in the words of the poet "show signs of life." Watch the Tech and leave suggestions for the Committee at the Cage.

Two new courses in journalism will be offered by the English department of Ohio State during the years 1911—1912.

Swimming and boating have been made regular athletic activities for women at Stanford.

Stanford undergraduates are forming a motorcycle club.

Seniors at Miami have voted to wear caps and gowns daily.

The position of chairman of the Junior Prom. at Yale, is now elective.

## IMPORTANT MEETING OF WIRELESS CLUB

Dues for Membership in Society Lowered and Shingles Issued Free

## NEW MEMBERS ADMITTED

Men Working Hard on new Switchboard Transformer Lent to the Society

A meeting of the Wireless Club was held in Lowell Building yesterday to discuss amendments, constitution, shingles new station, etc.

The meeting was called to order about 4.30 and the chairman said the principal object of the meeting was in reference to dues and shingles. According to the constitution any student of the Institute who is interested in wireless telegraphy is eligible to membership in the club, and many be elected by three-fourths vote of the members present. Six new men were elected into membership. The dues heretofore have been two dollars for initiation and one dollar per year. Many of the members protested that this charge was too high in comparison with dues of other societies, and the motion was made and carried that the dues be lowered.

A large number of shingles have been on hand for some time in the hands of one of the officers of the club. The question arose as to whether these shingles should be sold to the members or given to them upon initiation. It was voted to give each member a shingle upon receipt of his initiation dues provided these dues were paid within two weeks after his application for membership was received.

Another object of discussion was concerning the key to the club room. At present it is hanging in a certain place in the laboratory for the use of the member at any time. A vote was made that each member should give his name to the secretary and have a key of his own made.

A new transformer has been lent to the Society by the Electrical Engineering Laboratory and this will probably be in use by next week. The fellows are all working hard on the switchboard, and the apparatus will undoubtedly be perfected in a short time.

## G. C. NORRIS TO SPEAK BEFORE C. E. SOCIETY

Mr. Clarence C. Norris, town engineer of Hyde Park, Mass., is to speak to the Civil Engineering Society tomorrow afternoon at 4.10 o'clock in Room 11, Engineering B. Mr. Norris was graduated from Course I of the Institute in 1890. His subject, "Experiences of a Town Engineer" is sure to prove both interesting and instructive, and a large crowd is expected to be present to hear him.

Notices of the dinner of the Boston Society of Civil Engineers are to be sent to all members of the C. E. Society, and it is hoped that a number will turn out. Tickets for the joint dinner professional societies for Wednesday, April 12, are now on sale and may be secured from the officers of the society.

## INTERNATIONAL CONGRESS OF APPLIED CHEMISTRY

The eighth International Congress of Applied Chemistry will be held in the United States in September, 1912. The opening session will be held in Washington, D. C., on Sept. 4, and the following sessions in New York City. There will be a section on electro-chemistry.

Any person having an interest in the Congress is eligible to membership. Applications must be accompanied by the fee of \$5.00. The Secretary of the Congress is Dr. B. C. Hesse, 25 Broad Street, New York, N. Y.

## M. E. EXCURSION TO WALTHAM WATCH FACTORY

Party to be Divided into Groups Each Group to have Separate Guide

## EVERYONE INVITED

Excursion Leaves North Station at 2.09 Tuesday, April 4. Fare twenty cents.

The Mechanical Engineering Society will hold a very interesting excursion to the Waltham Watch Factory on Tuesday afternoon, April 4. The company employ nearly 4000 people, many of whom are skilled workmen and expert watch makers. The party will be divided into small groups and there will be a special guide for each group. The engine and boiler rooms will be visited first. There are three batteries of boilers of the B. & W. type rated at 1500 H. P. The generators are 500 kw. out put being driven by compound engines running condensing. The plant is equipped with an Ingersoll Rand, duplex air compressor. There are also 2 Westinghouse automatic engines of 250 Kw and 100 Kw output.

The party will visit all departments of the factory and see the growth of the watch from the raw material to its assemblage and shipment. More than 3000 watches are completed daily. This speed is attained by having many operations on the watch preformed by automatic machinery and some very complicated and delicate processes will be inspected. One interesting machine that works on the plate of the watch performs 127 operations in 7 minutes, automatically the solid blank being fed in and the finished plate turned out. Although automatic machinery is extensively employed, much work has to be reformed by expert watchmakers as it takes over 2 hours to go through the plant. The party will leave on the 2.09 express from the North Station. The factory is about 8 minutes walk from the station. The fare is 10 cents each way if obtained of the committee; otherwise a single trip is 17 cents.

## ORCHESTRA TO HAVE

## PICTURES TAKEN FRIDAY

All Members must be at Notman's at One O'Clock. Bring Dress Suits.

To-morrow afternoon at one o'clock sharp, the orchestra will have their picture taken at the Notman Studio, 3 Park Street. Members must bring dress suits and may dress down there. The picture is for the special anniversary issue of *The Tech* and every member must be present, on time.

## CALENDAR

**Thursday, March 30.**  
4.00—1913 Cross Country Practice—Field.

4.15—Musical Clubs Rehearsal Huntington Hall.  
5.00—Orchestra Rehearsal Huntington Hall

**Friday, March 31.**  
1.30—House Comm. Mtg—Cage—Union.  
4.00—1913 Base Ball Practice—Field.  
4.15—Technique Electoral Com. Mtg.—27R

**Saturday, April 11.**  
2.00—Orchestra Rehearsal—Union.  
2.35—Intercourse Cross Country—Back Bay Station.

# THE TECH

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In charge of this Issue...G. M. Keith 1912

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THURSDAY MARCH 30, 1911

Everybody is looking forward to the big Field Day, April 10. The Committee is full of ideas, suggestions are coming in every day and we hope, the streams of suggestions will continue to pour in with undiminished enthusiasm and originality. We all are planning to be at the Field that day, but that isn't enough to satisfy the committee nor ourselves either. The committee hopes to have at least one third of the undergraduates taking an active part in the games. The reverend senior should plan to lay aside his superfluous dignity that day, and the freshmen should plan to lay aside what little timidity he may have and everybody join in the revelry and add his share to the excitement. The game may be exciting to the spectator but it certainly is more fun to the participant.

UNIQUE ELECTRICAL CONTRIVANCE

Professor Rosing, of the Technological Institute, of St. Petersburg, is credited with the invention of an electrical apparatus by means of which an observer sees a picture of whatever scene is exposed to his distant apparatus. By its use, an observer at home or in his office may see what is going on in the street, in the theatre, in the railroad station, on the battlefield, etc. The details of construction have not been disclosed.

## COLLEGE NOTES

Engineering students at the University of Pittsburgh have formed a gasoline club with prominent members of the school acting as his lordship, the steering wheel, his grace, the carburetor and other suitable titles.

"Our beaux are trimmed" is the slogan of the senior girls at Allegheny since all the senior men, who can, have grown beards. One account says that the girls in the dormitory have vowed that "lips which have whiskers can never touch mine."

## MEETING OF CHEMICAL SOCIETY

Dr. Weintraub of General Electric Co. Addresses Society on the Element Boron

Last evening the Chemical Society held a regular meeting at which a committee was appointed to arrange for the annual banquet of the society; it was also voted to place a bulletin box in Walker Building, similar to those used by the other societies.

After the transaction of the business, Dr. Weintraub, an eminent chemist engaged in research work for the General Electric Co. at Lynn, Mass., addressed the society on the element Boron. This element was obtained while experiments were being carried out to find a new filament for incandescent lamps. The impure boron obtained by the reaction of manganese and boric anhydride, is purified by means of a high potential arc. The pure boron is an exceedingly hard element which as yet cannot be found in a crystalline form, and account of its comparatively high vapor tension cannot be used as a filament. However, the element shows such a remarkable property in that the electrical resistance decreases with the temperature, that it seems destined to become one of the most important elements for electrical uses.

After the lecture which was greatly appreciated, light refreshments were served.

## GOOD OPPORTUNITY FOR NEW MEN IN TRACK WORK

This has been a banner year for the track team in indoor events and Coach Kanaly is determined that there shall be an even better showing made on the cinder path. There is more interest in track athletics at the Institute now than has been shown in the past four years and the number of men reporting each day is still increasing. At present there are 51 men out for the various events. In point of numbers this is encouraging but many of the men are new at this sport, so progress is necessarily slow. This season offers a very good opportunity for new men to try their hand at the different events and help considerably in making a better balanced team, by filling in for seconds or thirds. Men for the broad jump, hurdle, and weight events are urged to report.

An innovation is being tried this year in the spring games, which will be held at the field on April 15. In these games Coach Kanaly hopes to get real lines on the ability of his men. The work in this meet will count towards the selection of the team for the big meets with Brown, Dartmouth, and other colleges.

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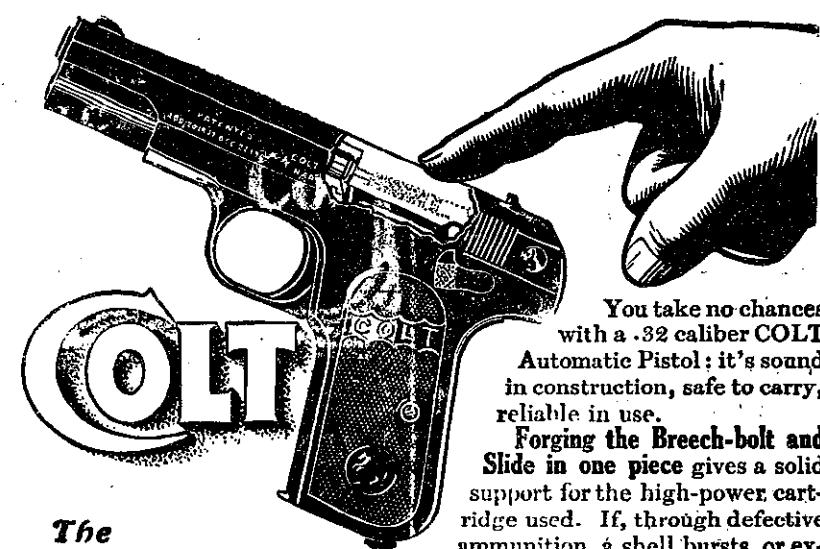
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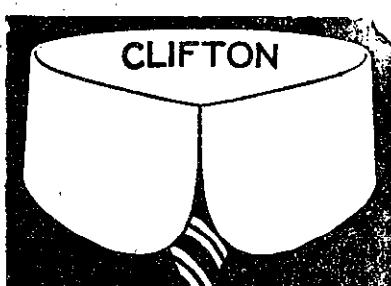
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## RECORD-BREAKING SALE OF DINNER TICKETS

Banquet of Professional Societies  
Already a Guaranteed Success

## WELL KNOWN SPEAKERS

Number of Tickets Limited to 300  
By Capacity of Dining Room.

Yesterday's sale of tickets exceeded even the fondest hopes of the committed in charge of the big student celebration in the Union on April, and it indicates a record-breaking crowd at the affair. The secretaries of all the professional societies have been supplied with tickets and they are distributing them among prominent men of their respective societies.

The affair will take place in the big dining room of the Union, and it is estimated that approximately 300 people can be comfortably served there. Consequently but 300 tickets have been placed on sale, which means that if YOU want to be there you should get a ticket at once.

As has been announced the special guest of the evening will be Mr. Frank G. Sprague of New York City, than whom there is no more prominent consulting engineer in the country. Mr. Sprague has been intimately connected with a number of gigantic projects of widely varying characteristics and is able to treat the subject of engineering from the broadest possible standpoint.

Added interest in the affair is assured from the fact that President MacLaurin will personally attend the affair and furthermore he has promised to address the gathering. In addition Dean Burton and Bursar Rand will be on hand with their words of cheer for all.

Now is the time to make your plans to attend this truly student celebration, commemorating that great event of fifty years ago—the granting of a charter to the Institute by that famous war governor, Governor Andrews. The date, as you have read so often in these columns, is April 12. The time is 6:30 P. M. The place is the Union. The event is a banquet followed by speeches. And so it goes!

## PROGRESS IN ERECTION OF COPELEY PLAZA HOTEL

Piling will be Driven over the Entire  
Base of the Hotel Structure

## SETTLING OF STRUCTURE TESTED

Unstability of Land, As Shown in Plans,  
Questioned by Engineer Gilman.

That the contractors erecting the Copley Plaza Hotel are using every precaution possible in the construction of the new building is evident by the methods introduced yesterday in the work.

According to the plans piling is to be driven over the entire base of the structure on account of the instability of the land. These piles are driven in the earth to a depth of 35 feet below the floor of the basement.

In order to determine that the piles are placed at the required depth and that settling will be positively averted, one of the 35 foot piles was yesterday weighted with pig iron. A framed platform was constructed on the top of the pile protruding above the surface of the ground and upon this was placed 15 tons of pig iron.

According to Engineer Gilman in charge of this department of the work, the weight will be allowed to remain on the pile for 60 hours. If after the expiration of this time any appreciable settling is detected the depth to which the piles are now being driven will be increased to 70 feet.

"The land about this location is very firm," said Engineer Gilman, when discussing this phase of the work, "to my mind the piling is not necessary at this particular location but the plans call for them, so in they go."

## IN THE LIMELIGHT

The Freshman Battalion drilled in the open air yesterday. It was rather crowded however.

It looked like Summer on Rogers' steps to-day.

Get your applications for the Tech Show tickets in before Saturday.

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#### E. E. Society Nominations.

Nominations for the officers of the E. E. Society, will close at 4:15 Mar. 31. Nominations must be signed by at least five active members of the society.

#### Election Committee

Sydney Alling—Chairman.  
John L. Berry, 3d.  
Henry D. Kemp.  
Herbert W. Hall.  
C. L. Darves.

#### DRAWING DEPARTMENT

Week of March 27

#### Descriptive Geometry

Problem 27 (2- hours.)

#### Mechanical Drawing

Drawing of bicycle sprockets and chain continued. (3- hours.)

A massive silver-gray tower, 150 feet high and 40 feet square, costing \$100,000 is to be erected at Princeton as a memorial to former President Cleveland.

With the announced intention of keeping students from down town dance halls, the track team of Minnesota has started a system of weekly dances to run through the winter. It is expected that a more cordial college spirit will in this way be fostered.

At George Washington University, the editor of the undergraduate paper receives free tuition.

The Janapesse universities use both the honor system and the self-government plan.

By order of the Legislature, the University of Michigan will open a department for the training of degenerate children.

The University of North Dakota has established a course for nurses. It is the second school of its kind in the country to offer such a course.

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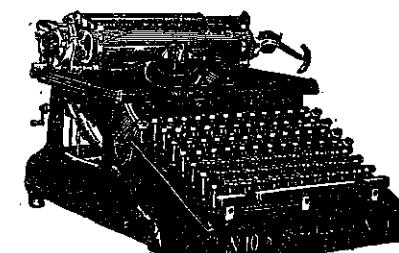
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## SCHOLARSHIPS

March 20, 1911.

Each applicant for a scholarship (except a State scholarship) for the ensuing year, should hand in his application blank at the Registrar's Office, and leave his name before April 4th on a special card enclosed in an envelope at the Registrar's Office. (Blanks and cards may be obtained at the Registrar's Office.)

Applications dated since January 1st, need not be duplicated but the applicant should notify Professor Dewey in writing if he desires to apply for a scholarship for next year.

With the name state the class, course and all free hours for consultation. Each applicant will be notified through the "Cage" in regard to date selected for consultation. Students applying, therefore, should inquire at the "Cage" for all.

**STATE SCHOLARSHIPS.** Applications should be made to the State Board of Education on blanks to be furnished at the State House.

While the State Board of Education has full control of the award of the State scholarships it is customary to submit all applications to the Faculty for endorsement as to standing, for advice as other data in possession of the Faculty may warrant. For this reason, while the Scholarship Committee has no authority to request conference or further information from applicants for State scholarship consider all information that may be furnished. In any case, students intending to apply for State scholarships are requested to notify the Registrar to that effect.

Walter Humphreys,  
Registrar.

The announcement comes from the laboratory of Thomas A. Edison that, at last, he has succeeded in solving the problem of reducing the voice as well as the action of the actors in a machine that catches the tones from every angle of the audience chamber.